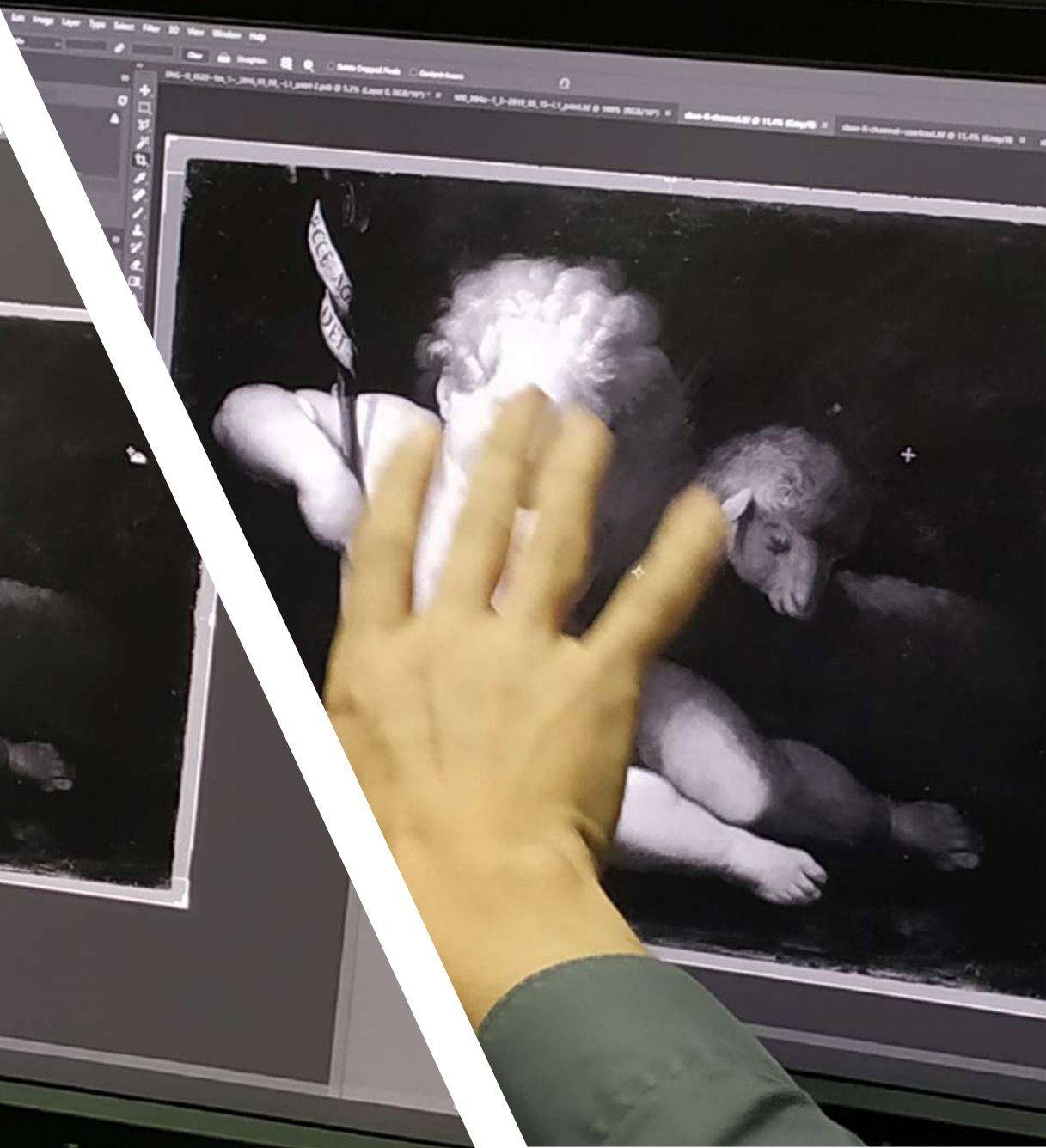


Visualizing collections using artificial intelligence



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Head of Innovation and Development





Kunstsilo lab

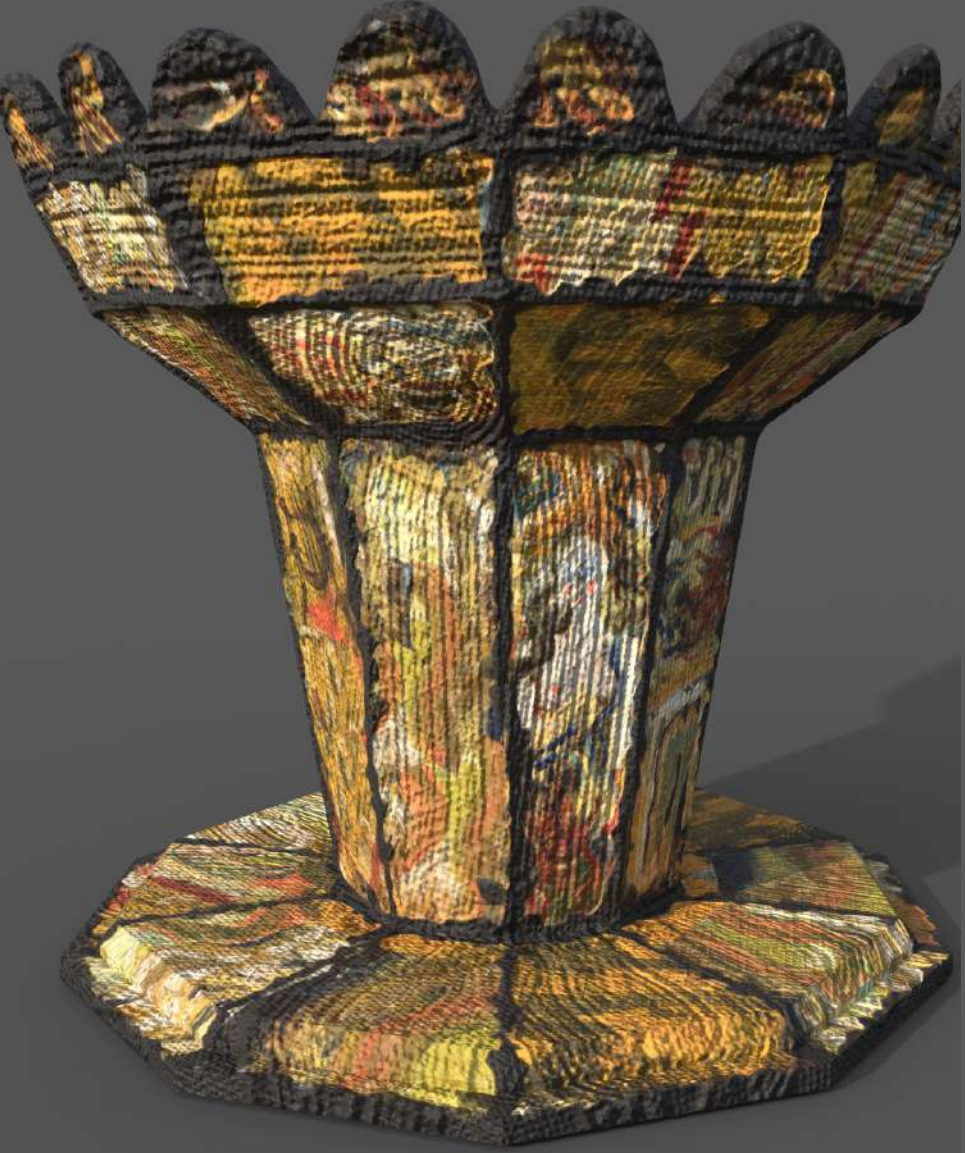


Development of digital art mediation projects

- Immersive productions for Whitebox
- VR projects collaborating with the Symphony Orchestra.
- AR – guided tours
- Virtual Exhibitions
- Kunstsilo Quest



• *Tivoli* by Reidar Aulie



In this project, the purpose was to see if we based on our collections and shared data could use artificial technology to expand the access to our collections, for our professionals as well as our audience.



Explore how modules of different AI could be connected in a way that reveals new knowledge.

Workshop in Kristiansand with Morten Goodwin.



Application development by Applica.



Objective:

The general visitor and curator is able to find new connections between objects in the collection by having AI suggest artworks based on input

The user will be able to find new artworks by these connections.

The app:

- The app works on top of the online collection
- Provide simple user interaction
- Is not replicating art-historical concepts
- works for curators and visitors too
- is trained on modernist art

The user will be able to:

- get an overview of the collection
- see connections between different art works
- provide feedback/value for the collection
- engage more with the collection

Backend:

- creating connections by training AI
- training the algorithm on concepts

Possible problems:

- what is the usefulness of it?
- how good are the results?
- metadata is missing.
- the abstractness of the paintings?
- it's hard to create simple interaction.





Visualizing collections using artificial

Object Info

Artist: Andersen, Alfred Emil (1860) Andersen, Alfred Emil (1860)

Title: Legende børn NOR

Years:

Keywords: barnelek; natur; landskap; barn; gutt; jente; borgerskapet; overklassen; paraply; vår; grønt gress

Collection: SKMU

filename: skmu+sng/skmu/KCB00104-1005.jpg

Data & Projections

Dataset: skmu+sng

Projection: vgg19_UMAP

Dimension Filters

contrast: 97.09982 to 26642.51

colors: 3771 to 488936

blur_effect: 0.14896 to 0.46794



Object Info



Object Info



Artist: Tidemand, Adolph (1814)

Title: Figurstudie NOR
Bondejenter NOR

Years:

Keywords: mennesker; ungdom;
bunad; bondejenter;
seterjente; sæterjenter;
strikke; hvile; pause;
alvorlig

Collection: SKMU

Artist: Majerník, Cyprián

Title: Vystáhovalci; Refugees
(Preklad názvu)

Years: 1943

Keywords:

Collection: SNG

filename: skmu+sng/sng/SVK_SNG_O_11

